UNIVERSAL BENGTE CONTROL



INSTRUCTION MANUAL

Table of contents

About your TOTAL CONTROL	02
Features and functions	03
Installing the batteries	05
Setting up your devices	05
The AUX key: setting up a second television,	
video or satellite receiver	06
The search method	07
Getting codes from the TOTAL CONTROL	07
Changing the Device Keys	08
Colour & Brightness	09
Sleeptimer	10
Punch Through	12
More on Teletext	12
Trouble-Shooting	13
Quick code reference	15
Set-Up Codes for Televisions	I
Set-Up Codes for Video Recorders	IV
Set-Up Codes for Satellite Receivers	V
Set-Up Codes for Cable Converters	VII

About your TOTAL CONTROL

Your manual is divided into two parts: set-up instructions and device codes. You will need your manual to set up your new TOTAL CONTROL so please be sure to keep it.

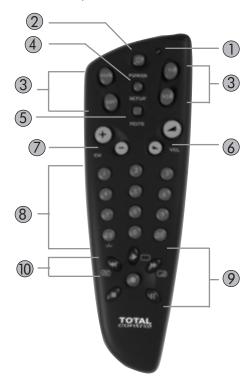
Your TOTAL CONTROL Package contains: Your TOTAL CONTROL Remote and your TOTAL CONTROL Instruction Manual.

Your TOTAL CONTROL can operate four devices: a Television, a Video Recorder, a Satellite Receiver and a second Television, Video or Satellite Receiver. Your TOTAL CONTROL can also operate Cable Converters.

Your TOTAL CONTROL needs four new AAA/LR03 alkaline batteries.

Features and Functions

The picture below and the chart following describe the various features of your TOTAL CONTROL.



Key Function

1 LED

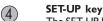
(3)

The LED (Light Emitting Diode) flashes red to show the remote is working.

Power The Power key controls the same function as on your original remote.

Device Keys
The TV, VCR, SAT and AUX keys select the device to be controlled. For example pressing the TV key allows the remote to control the functions of your Television, after pressing VCR you can operate your Video Cassette Recorder and the SAT key operates your Satellite Receiver or Cable Converter. The AUX key operates a second Television, Video Recorder or Satellite Receiver.

Key Function



The SET-UP key is used to set up your TOTAL CONTROL and to access special functions.

Mute
The Mute key operates t

The Mute key operates the same function it did on your original remote.

6 7 Volume, Programme

The Volume and Programme keys control the two most used functions of your Television and Satellite Receiver. They operate just as those on your original remote.

8 Number Keys

The Number keys (0-9, 10, 20) provide functions just like your original remote, such as direct access programme selection. If your original remote uses one/two digit input switching (-/-- symbol), this function can be obtained by pressing the -/-- key, which is the same as the 10 key.

9 Video Recorder Keys

After pressing the VCR key, the Video Recorder keys operate the functions of your Video Recorder. To prevent accidental recording, the Record key must be pressed twice to start recording.

Teletext Keys

After pressing the TV key, the top row of the Video Recorder keys are used to operate the main teletext functions. The symbols below the keys are for teletext. The Text keys are used to access the teletext functions of your Television. Of course, your Television must be teletext capable. For an explanation of the teletext symbols, please refer to page 12 of this manual. For a detailed explanation on how teletext works, please refer to the manual of your Television set.

Installing the Batteries

Your TOTAL CONTROL needs four new AAA/LR03 alkaline batteries.

- Remove the battery cover from the back of your TOTAL CONTROL.
- 2 Match the batteries to the + and marks inside the battery case, then insert the batteries.
- 3 Press the battery cover back into place.

Note: In order to avoid having to reprogramme your TOTAL CONTROL after you remove the batteries, you will need to insert new batteries within 15 minutes. Also it is best that you do not use rechargable batteries.

Setting up your devices

To set up the TOTAL CONTROL for your Television:

- Find your Television code in the Set-Up Code section (starting on page I). Codes are listed by brand name. The most popular code is listed first. Make sure your Television is switched on.
- Press and release your TOTAL CONTROL TV key, then press and hold down the SET-UP key until the red light blinks twice.



Enter your three-digit TV code using the number keys. The red light will blink twice.



4 Now, aim your TOTAL CONTROL at your Television and press POWER. If your Television switches off, your TOTAL CONTROL is ready to run your Television.



Write your code in the three boxes on page I5, for quick, easy reference.

To control your Television, press TV first.

To set up your Video Recorder, Satellite Receiver or Cable Converter, follow the same instructions above, only press the VCR or SAT key instead of the TV key during step 2.

To set up your Cable Box, follow the same instructions above, only press the SAT key instead of the TV key during step 2.

If your device does not respond, follow steps I through 4 with each code listed for your brand. If none of the codes listed for your brand operate your device, then try the search method described on page 7, even if your brand is not listed at all.

The AUX key

Setting Up a Second Television, Video or Satellite Receiver

The AUX key on your TOTAL CONTROL can be used to control a second Television, Video Recorder or Satellite Receiver.

To set up the AUX key to control a second TV:

Press and hold down the SET-UP key until the red light blinks twice.



Press 992TV AUX.





- Find your Television code in the Set-Up Code section (starting on page I). Codes are listed by brand name. The most popular code is listed first. Make sure your Television is switched on.
- Press and release your TOTAL CONTROL AUX key, then press and hold down the SET-UP key until the TOTAL CONTROL red light blinks twice.



5 Enter your **three-digit TV code** using the number keys. The red light will blink twice.



Now, aim your TOTAL CONTROL at your Television and press POWER. If your Television switches off, your TOTAL CONTROL is ready to run your Television. When you want to control your second TV, press AUX first.



Write the code for your device in the three boxes on page I5, for quick, easy reference.

To set up your Video Recorder, Satellite Receiver or Cable Converter, follow the same instructions above, only press the VCR or SAT key instead of the TV key during step 2.

To set up your Cable Box, follow the same instructions above, only press the SAT key instead of the TV key during step 2.

If your device does not respond, follow steps 3 through 6 with each code listed for your brand. If none of the codes listed for your brand operate your Television, Video Recorder or Satellite Receiver, then try the search method described on page 7, even if your brand is not listed at all.

The Search Method

If your Television, Video Recorder or Satellite Receiver still does not respond to the TOTAL CONTROL after having tried all the codes listed for your brand, try the Search Method. The Search Method may also work if your brand is not listed at all.

Let's say you can not get your TOTAL CONTROL to control your Television:

- Switch your Television on.
- Press the TV key on your TOTAL CONTROL.



3 Aim the TOTAL CONTROL at your Television. Press and hold down SET-UP until the TOTAL CONTROL's red light blinks twice. Then, press 9 9 I. The red light will blink twice.



991

4 Now, alternate between TV and POWER, over and over, until your Television turns off. You may have to press these keys many times, so please be patient. Remember to keep pointing the TOTAL CONTROL at your Television when you press the TV and POWER keys.



When your Television turns off, press **SET-UP**.
Don't forget, press SET-UP as soon as your
Television turns off. Now your TOTAL CONTROL
is ready to run your Television.



To search for the code for your Video Recorder, or Satellite Receiver follow the same easy steps.

Note: If your Video's original remote control does not have a power key, press PLAY instead of POWER when searching for your code.

Getting Codes from the TOTAL CONTROL

Even if you have used the Search Method, it is handy to know your Television, Video or Satellite Receiver code for future reference. It's easy to get your code after you have set up your Television, Video or Satellite.

To get your Television code:

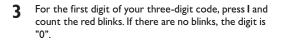
Press TV.



Press and hold SET-UP until the TOTAL CONTROL's red light blinks twice. Press 9 9 0. The red light will blink twice.



990





For the second digit, press 2 and count the red blinks.

2

For the third digit, press 3 and count the red blinks. Now you have found your three-digit code.

3

Make sure you write your Television code in the three boxes on page I5.

To blink back the code for your Video, Satellite or Cable Box follow the instructions above, only press the VCR or SAT key during step I. To blink back the code for your Cable Box follow the instructions above, only press the SAT key during step I.

Changing the Device Keys

If you want, you can change any of the device keys (TV, VCR, SAT or AUX) to operate another type of device. The chart below lists how to change the keys and to set up that device:

To cha	nge		Press
©	to		SET-UP* 992 VCR TV, then TV SET-UP* Code
(9)	to	(AI)	SET-UP* 992 SAT TV, then TV SET-UP* Code
	to	10	SET-UP* 992 TV VCR, then VCR SET-UP* Code
	to	SAT	SET-UP* 992 SAT VCR, thenVCR SET-UP* Code
SAT	to	(0)	SET-UP* 992 TV SAT, then SAT SET-UP* Code
(A)	to	©	SET-UP* 992 VCR SAT, then SAT SET-UP* Code
	to	(9)	SET-UP* 992 TV AUX, then AUX SET-UP* Code
	to	©	SET-UP* 992 VCR AUX, then AUX SET-UP* Code
	to	(SAT)	SET-UP* 992 SAT AUX, then AUX SET-UP* Code

^{*} Hold down the SET-UP key until the red light blinks twice.

To reset a device key to its original function, press:

TV key	SET-UP *	992	(9)	$oxed{\Theta}$
VCR key	SET-UP *	992		
SAT key	SET-UP *	992	SAT	SAT
AUX key	SET-UP *	992		

^{*} Hold down the Set-Up key until the red light blinks twice.

Colour & Brightness

Depending on the functions of your original remote control, the TOTAL CONTROL can operate the colour and brightness settings of your Television.

To adjust the colour:

Press **Set-Up** followed by **Volume+** (for colour up) or **Volume-** (for colour down).



To adjust the brightness:

Press **Set-Up** followed by **Programme+** (for brightness up) or **Programme -** (for brightness down).



Sleeptimer

Sleeptimer is a feature which comes built into many TVs and Satellites. It allows you to set your device to turn off within a certain amount of time. This feature comes in handy if, for example, you enjoy falling asleep with your television on.

With the TOTAL CONTROL, there are two ways to use the sleeptimer. If your TV or Satellite came with this feature built in, follow the instructions "Device Sleeptimer" below. If your device did not come with this feature, follow the instructions "TOTAL CONTROL Sleeptimer"

Device Sleeptimer

If your TV or Satellite has a "Sleeptimer" function built in, you can access this function with your TOTAL CONTROL remote. To do so:

Make sure your TV (or Satellite) is switched on.

? Press the device key (TV or SAT).

2 0 0

SET-UP

POWER

TV (or Satellite) and press and release **Set-Up** then press **POWER**. You should see the Sleeptimer activate on your TV screen.

To increase the timer, simply press

Point the TOTAL CONTROL at your

To increase the timer, simply press **Set-Up** and **POWER** until the timer gets to the desired time.

To deactivate the Sleeptimer, repeat steps I-3 above. During step 3, continue pressing Set-Up then Power until the timer indicates zero minutes.

Note: Remember, your device must have its own Sleeptimer function in order for the above instructions to operate. If your device does not have its own Sleeptimer, follow the instructions on the following page.

The TOTAL CONTROL Sleeptimer

Your TOTAL CONTROL remote comes with an internal Sleeptimer function for those devices (TV or Satellite) which did not come standard with this function. To use the TOTAL CONTROL Sleeptimer:

Making your TOTAL CONTROL ready for Sleeptimer:





Press the device key (TV or SAT).

2



970

Then, press and hold Set-Up until the red light blinks twice. Press 970. The red light will blink twice again. It is only necessary to perform steps I and 2 once. Now to set the timer, continue with the steps below.

Setting the TOTAL CONTROL Sleeptimer:

It is possible to set the timer for I5, 30, 45 or 60 minutes. To do this, first make sure your TV (or Satellite) is switched on. Then,



Press and release Set-Up then press POWER. The red light will blink once which indicates the timer is set for I5 minutes.

Ю **POWER**

(:15)



(:30)



(:45)



(:60)

To increase the timer, simply press POWER again (this must be done within 5 seconds). The light will blink twice indicating the timer is set for 30 minutes (2x I5). You can press **POWER** a maximum of four times which will set the timer to 60 minutes.

Once you have set the timer to the desired time, set your TOTAL CONTROL remote down, pointing it at your device. When the programmed amount of time has elapsed, the TOTAL CONTROL will send the command for Power. hence turning off your device.

- The red light on the TOTAL CONTROL will blink every 15 seconds indicating that the remote is in Sleeptimer mode.
- To deactivate the Sleeptimer, simply press any key on the TOTAL CONTROL remote.
- Also, it is only necessary to follow steps 1 and 2 above one time. For subsequent use of the Sleeptimer, simply begin with "Setting the Sleeptimer".
- Remember, when using the TOTAL CONTROL Sleeptimer, you must set the remote so it is pointing to your device.

Punch Through

You may be able to use some features of your Television, Video Recorder and Satellite Receiver at the same time. If you're watching a programme on your Video, you can adjust the volume (a TV function) without first pressing the TV key. The chart below lists some of the possibilities:

Last Key Pressed:	You Can Control:	
VCR	TV volume up and down, mute	
SAT	TV volume up and down, mute	
AUX	TV volume up and down, mute	

More on Teletext

The TOTAL CONTROL is designed to operate the basic functions of teletext (text on, text off and mix).		
Title	Descripcion	
TEXT	Puts the Television in the teletext mode	
TV	Switches the Television back to regular viewing mode. On some Televisions, this may be done by pressing the TEXT key several times.	
MIX	Shows both teletext and regular Television simultaneously. Also used for subtitling. On some Televisions this function is accessed by pressing the TEXT key twice.	

Note: For a more detailed explanation of teletext, please refer to the manual of your Television. Remember, different Televisions control teletext features in different ways. Not all of the teletext functions may be available for your particular model.

Trouble-Shooting

Problem:	Solution:
Red light does not blink when you press a key?	Replace batteries with 4 fresh, new AAA alkaline batteries.
The TOTAL CONTROL does not respond after pressing a key?	Make sure you are using new batteries and are aiming the TOTAL CONTROL at your device.
The TOTAL CONTROL does not operate your device(s)?	A) Try all the codes listed for your brand. B) Try the search method on page 7.
Your brand is not listed in the TOTAL CONTROL code section?	Try the search method on page 7.
The TOTAL CONTROL is not performing commands properly?	You may be using the wrong code. Start the search method over again to locate the proper code.
You cannot control the volume feature of your Satellite, Cable Converter or TV/ Video combination or you cannot control the volume of the TV set up on the AUX key?	Hold SET-UP until red light blinks twice. Then press 993 and VOL+. To set the volume control back to TV (Punch Through), hold SET-UP until the red light blinks twice, then press 993 TV.
Problems changing channels?	Enter the programme number exactly as you would on your original remote.
Video not recording?	As a safety feature on your TOTAL CONTROL you must press the Record key twice .

If you have any questions about the operation of your new TOTAL CONTROL Universal Remote Control, you may call our consumer help-line for assistance. Before calling, please read this manual carefully to find an answer to your question. If you cannot find a solution in this manual, please complete the information below on all your equipment before calling. This way we can better serve you.

Your T	OTAL CO	NTROL remote	e model: URC 6340
Date o	of purchas	e: /	/
		Day / Mor	nth / Year
In Aus phone	tralia :: 1800 812	261	
	v Zealand :: 0508 4 T	OTAL (86825)	
opening	hours: 8.00a	m - 5.00pm (Mon-F	Fri.)
	evices: rst row is ar	n example of how	w to complete this table)
Туре	<u>Brand</u>	Model No.	Remote Model No.
TV	Saba	VKM 7251	RC 24035

Quick Code Reference

The following pages list the codes for your equipment. The most popular codes for each brand are listed first.

If your device does not respond to the TOTAL CONTROL after you have tried all the codes for your brand, try the search method (page 7).

Write down the codes for your devices in the boxes below, for quick and easy reference.

Device type	Code
I	
2	
3	
4	

Codes

TV		CCE Centurion	0060 0240 0060
		Century CGE	0110 0270 0261 0097 0107 0329 0270 0575 0186 0441 0393
A.R. Systems Abex	0060 0055 0060	Cimline City	0032 0258 0241 0032
Accent Acec Admiral	0035 0110 0116 0386 0441 0287	Clarivox Clatronic	0441 0093
Adyson Agashi	0240 0239 0239 0287	Clayton CMS hightec	0241 0287 0393 0394 0240 0270 0060 0032 0125 0343 0602 0408
AGB Agef	0539 0110	Concorde	0240 0032
Aiko	0239 0032 0060 0394 0058 0456 0095 0384 0214 0287 0240	Condor	0239 0270 0305 0343 0060 0393 0032 0125 0434 0441
Aim Akai	0060 0297 0384 0231 0394 0060 0456 0214	Conic Contec	0055 0239 0032 0180 0034 0059
	0058 0032 0095 0241 0575 0186 0539 0625 0579 0571 0604 0503	Continental Edison	0132 0260 0219 0221 0422 0228
Akiba	0240 0654 0239 0287 0471 0201 0400 0629 0241 0305 0478 0060	Cosmel Crosley	0510 0032 0360 0110 0270 0097 0107 0575 0186
Akito Akura	0295 0060	Crown	0110 0270 0097 0107 0575 0186 0032 0393 0509 0060 0382 0602 0441 0231 0510 0076
Alaron	0194 0287 0060 0516 0691 0202 0239	CS Electronics	0270 0239 0241
Alba	0394 0060 0239 0270 0186 0234	CTC Curtis	0270
Alcyon	0604 0510 0059 0691 0602 0234	Mathes Cybertron	0116 0168 0189 0241
Allórgan Allstar	0229 0317 0240 0060	Daenyk Daewoo	0202 0032 0060 0239 0397 0241 0240 0522 0647
Amplivision Amstrad	0240 0423 0343 0393 0200 0032 0539 0287 0377 0241 0394 0456 0194 0435 0060 0671	Dainichi Dansai	0241 0239 0060 0287 0055 0058 0239 0032
Anam Anam	0060 0032 0091	Dansette Dantax	0435 0393 0509
National Anglo	0060 0032 0287	Datsura Dawa	0231 0060
Anitech Ansonic	0032 0091 0287 0060 0393 0315 0125 0032 0060 0397	Daytron de Graaf	0032 0397 0060 0231 0067 0250 0186 0571
Apollo	0186 0434 0282 0270 0035 0451 0496	Decca	0095 0056 0539 0060 0267 0295 0240 0060
Arc en Ciel Arcam Ardem	0422 0132 0219 0221 0239 0422 0240 0509	Deitron Denko Denon	0287 0168
Aristona Arthur	0060 0579 0035	DER Derwent	0216 0213 0224
Martin ASA	0186 0423 0128 0369 0093 0127 0110	Desmet Diamant	0343 0060 0060
Asberg Asora	0060	Digiline Dixi	0060 0032 0060 0270 0240
Asuka Atlantic	0241 0287 0239 0305 0240 0060 0239 0229 0282 0343	Domland Doric	0417 0224
Atori Auchan	0032 0186 0423	Drean DTS Dual	0060 0032 0372 0240 0080 0366 0282 0359
Audiosonic Audioton	0060 0132 0240 0393 0360 0287 0241 0509 0451 0240 0509 0393 0287	Duai	0542 0060 0417 0422 0326 0575 0186
Autovox	0110 0229 0260 0372 0240 0270 0359	Dumont Dux	0110 0127 0125 0240 0093 0095 0060 0035
AWA	0034 0059 0032 0180 0397 0435 0060 0239 0629	Dynatron Elbe	0060 0458 0261 0282 0315 0393 0186
Ayomi Baird	0261 0132 0216 0366 0213 0215 0095	Elcit Elekta	0060 0241 0214 0434 0633 0110 0270 0539 0125 0575 0186 0287 0305
Bang & Olufsen	0096 0240 0231 0588 0110	ELG Elin	0060 0239 0060 0128 0127 0571 0384
Barco Basic Line	0403 0575 0186 0241 0032 0397 0060 0590 0186	Elite	0471 0372 0186 0032 0241 0060
Bastide	0305 0240	Elman Elta	0125 0032 0091 0287 0239
Baur	0326 0218 0535 0060 0214 0384 0372 0528 0033	Emerson	0200 0110 0201 0270 0060 0202 0394 0093 0305 0343
Bazin Beaumark Beko	0240 0201 0393 0509 0060 0629	Emperor Erres ESC	0305 0060 0035 0060
Beon Best	0393 0309 0000 0629 0060 0441 0055 0360 0393	Etron Eurofeel	0060 0032 0186
Bestar Binatone	0060 0393 0397 0240	Euroman Europa	0287 0239 0287 0060 0240 0393 0060
Black Star Blacktron	0270 0305	Europhon	0060 0539 0125 0240 0270 0575 0186
Blackway Blaupunkt	0305 0214 0218 0223 0350 0351 0471 0241 0305 0478 0060 0510 0691	Expert Exquisit Fenner	0229 0423 0282 0186 0060 0270 0397 0032
Blue Sky Blue Star	0241 0305 0478 0060 0510 0691 0305 0270	Ferguson	0096 0215 0213 0358 0261 0216 0132 0583 0648
Bondstec Boots BPI	0270 0295 0240 0305 0060	Fidelity	0216 0239 0394 0386 0455 0374 0186 0287 0060
Brandt	0132 0422 0228 0260 0219 0221 0358 0648	Filsai Finlandia	0240 0231 0369 0382 0571 0384
Brinkmann Brionvega	0441 0060 0542 0060 0110 0582	Finlux	0575 0186 0539 0093 0110 0202
Britannia Brother	0239 0240 0287	Firstline	0125 0434 0654 0515 0503 0317 0344 0239 0060 0397 0408
Bruns BSR	0110 0186 0317		0270 0032 0575 0186 0125 0240 0434 0372 0261 0095 0258 0691 0231 0647
BTC Bush	0241 0241 0258 0186 0372 0032 0059 0305 0060 0295 0378 0394 0386 0397 0542 0287 0234 0384 0510	Fisher	0127 0240 0050 0080 0231 0303
	0397 0542 0287 0234 0384 0510 0231 0604 0317 0240 0691	Flint	0578 0068 0110 0180 0384 0575 0186 0326 0372 0095 0060 0478 0095 0241
Capsonic Carad	0287 0633 0060	FNR Forgestone	0125 0216
Carena Carrefour	0478 0060 0059 0093 0080	Formenti Fortress	0110 0239 0343 0575 0186 0116 0110
Carver Cascade	0193 0032 0060	Fraba Friac Frontech	0393 0060 0032 0060 0125 0270 0287 0372 0386 0471 0240
Casio Cathay	0060 0060	Fujitsu	0032 0202 0229 0095 0125 0240 0186
		[

Fujitsu	0032	ITV 0287 0060 02 Jean 0059	70
General Funai	0032 0240 0287 0202 0317	JFC 0058	17 0213 0059 02 15 41 0629
Galaxi Galaxis	0125 0060 0393 0441 0060 0125	0216 0394 02 Kaisui 0241 0305 00	41 0629 60 0239 04 78 0 240
GBC GE	0575 0186 0032 0397 0241 0583 0132 0201 0305 0358 0366	0032 Kamp 0239	
Geant Casino GEC	0186 0423 0066 0095 0186 0384 0228 0539	Kapsch 0229 0186 03 Karcher 0060 0393 03 Kawasho 0239	84 0282 0127 05 0125 0633 028 7
Geloso	0066 0095 0186 0384 0228 0539 0060 0240 0372 0270 0032 0386 0575 0186 0397	KB Aristocrat 0186	
General General	0132 0494	Kendo 0386 0258 02 0393 0434 06	70 0125 0060 0451 33 0400 0542 86 0458
Technic Genexxa	0032 0241 0060 0435 0516	Kinaslev 0239	
Goldhand Goldline GoldStar	0239 0360 0060 0393 0055 0313 0032 0400	Kněissél 0458 0282 03 0434 0633 Kolster 0060 0125 03	15 0393 0261 0060
Guidotai	0240 0270 0239 0186 0201 0384 0067	Konka 0241 0394 00 Kontakt 0510	30
Goodmans	0059 0095 0060 0032 0287 0539 0313 0202 0397 0510 0387 0394	Korpel 0060 Korting 0110 0393 03	43
	0522 0579 0366 0258 0058 0503 0583 0055 0240 0647 0358	Kosmos 0060 Kotron 0435 0287	
Gorenje GPM	0393 0241	Kraking 0261 KTV 0240	FF 0444
Gradiente Graetz Granada	0060 0076 0193 0384 0394 0060 0433 0349 0379 0383 0035	Kyoshu 0287 0435 00 Kyoto 0408 0055 01 Lemair 0434	35 U441 36
Granaua	0060 0423 0249 0379 0382 0035 0068 0095 0374 0131 0231 0240 0059 0362 0539 0224 0496 0358	Lenco 0032 0608 01: Lenoir 0032	27 0186 0060
Grandin	0583 0305 0241 0423 0060 0032 0343	Lesa 0270 Levco 0287 0095 00	60 0317 0602
Gronic	0186 0478 0602 0633 0125 0240	LG 0060 0393 03 0240 0270 02	39 0186 0201 0384
Grundig	0218 0214 0510 0093 0228 0260 0060 0579 0287 0239 0240		51 0035 42 0060 0397 02 41
Halifax Hampton Hanimex	0239 0240 0239 0240 0317	Lloyd's 0032	
Hanseatic	0060 0315 0305 0372 0186 0384 0417 0343 0080 0451 0393 0032	Loewe 0535 0060 01 Logik 0034 0056 02	10 0315 03 93 16 0394
Hantarex	0317 0240 0542 0110 0032 0060 0125	Logix 0691	60 0186 0282 0434
Hantor Harley	0060	0397 0032 Lumatron 0386 0229 00	60 0186 0282 0384
Davidson Harvard Harwood	0202 0091 0032 0435 0055 0060	0240 0287 00 Lux May 0060 0032 Luxor 0217 0260 03	96 13 0386 0503 0 515
Hauppauge HCM	0032 0435 0035 0000 0060 0287 0032 0305 0435 0240 0241	0372 0384 02: 0369 0496 02:	31 0379 0571 0186
Hema	0441 0060 0240 0032	LXI 0201 Madison 0060	
Hemmer- mann	0372	Magnafón 0539 0125 02	39 0125 0575 018 6 39
Hifivox Highline Hikona	0132 0219 0422 0287 0060 0241	Magnavox 0059 0202 00 Magnum 0671 Mandor 0287	50
Hinari	0231 0202 0059 0060 0241 0032 0186 0387 0378 0466 0234 0510		40 0287 0343 0058
Hisawa	0258 0317 0305 0241 0423 0478	Manhattan 0060 0691 Marantz 0060	
Hit Hitachi	0110 0248 0059 0372 0379 0067 0066	Marelli 0110 Mark 0060 0240 02	39 0397 0032
	0496 0186 0575 0366 0601 0219 0221 0240 0329 0250 0055 0217 0464 0539 0095 0504 0522 0060	Masuda 0241 0032 03 Matsui 0258 0200 00 0095 0059 00	32 0378 0034 0056
Hitachi	0586 0168 0128 0201 0579 0571	0095 0059 00 0240 0377 03 0386 0602 04	60 0579 0510 0234 17 0394 0456 0466 78 0295 0372 0539
Fujian Hitsu	0131 0032 0478 0241	0058 0186 02: 0358	31 0068 0218 0214
Hornyphone Hoshai	0060 0035 0241 0478	McMichael 0066 Mediator 0060 0579 00	35
Huanyu Hygashi	0397 0239 0240 0239 0032 0239 0240 0270	Medion 0060 0691 05- Megas 0633 Megatron 0168 0201	42
Hyper Hypersonic Hypson	0384 0060 0287 0240 0305 0478 0423	Megatron 0168 0201 Melectronic 0369 0060 05 0270 0128 01:	35 0132 0366 0080 27 0397 0032 0240
Iberia	0261 0060	0091 0503 05 Melvox 0423	15 0239 0434 0372
ICE	0287 0240 0060 0394 0241 0239 0032	Memorex 0032 0201 02 Memphis 0360 0095 00	
Ices Imperial	0241 0239 0060 0270 0393 0441 0575 0186 0097 0107 0372 0219	Mercury 0060 0032 Metz 0110 0218 04	70 0214 0298 0390
Indesit Indiana	0097 0107 0372 0219 0260 0060	MGA 0201 Micromaxx 0060 0691	
Ingelen Ingersoll	0510 0633 0032 0032 0095 0060 0241 0313 0240	Midland 0055 Minerva 0510 0218 00	93 0214 0260
Inno Hit	0539 0270	Minoka 0435 0060 03 Mitsubishi 0131 0535 00	82 60 0116 02 01 03 77
Innovation Interactive Interbuy	0542 0434 0032 0287 0270 0091	0216	59 0224 0260 0381 14 0393 0239 0632
Interbuy Interfunk	0032 0287 0270 0091 0060 0035 0110 0535 0298 0350 0186 0384 0393 0132	Mivar 0315 0313 03 Monaco 0032 Morgan's 0060	14 0030 0208 0002
Internal Intervision	0060 0305 0240 0478 0060 0091 0394	Motorola 0116 MTC 0393 0372 05	35 0239
	0400 0542 0471 0509 0393 0417 0510 0241 0125 0186 0287 0270	MTEC 0295 0055 Multi-	
Irradio Isukai	0032 0060 0241 0270 0313 0241 0060 0305	broadcast 0216 Multimat 0455	
ITC ITS ITT	0240 0060 0394 0241 0305 0287 0239 0186 0503 0372 0384 0496 0571 0374 0590 0216 0369 0362 0231	Multistandard 0125 0455 Multitec 0060 0691 Multitech 0240 0372 00	32 0230 0270 0425
	0202	Multitech 0240 0372 00 0386 0509 03 Murphy 0127 0239 00	32 0239 0270 0125 93 0060 95 0186
ITT Nokia	0384 0571 0186 0496 0503 0372 0369 0231 0202 0362 0374 0590	Musikland 0241 NAD 0384 0189 02	
	0629 0633 0654	Naiko 0060	

Nakimura	0397 0060	I	0128 0180 0218 0223 0287 031
Naonis	0386		0691
NAT	0237 0249 0363	Questa	0059 0055
National	0260 0237 0249 0363	R-Line	0060
NEC	0193 0059 0343 0478 0032 0397	Radialva	0132 0241 0186 0060
	0240 0060 0034	Radiola	0060 0579 0035
Neckermann	0060 0214 0393 0528 0033 0223 0579 0575 0186 0350 0441 0372	Radiomarelli	0110 0224 0539 0270 0060
	0110 0270 0240 0434	RadioShack Radiotone	0060 0055 0201 0032 0060 0451 0393 0602 044
NEI	0060 0360 0394	Rank	0287 0435 0671
Nesco	0270 0202		0093
Vetsat	0060	RCA	0583 0648 0358 0116
Vetwork	0055 0360	Realistic	0055 0201
Neufunk	0060 0032 0608 0579 0633	Recor	0060
New Tech	0060 0032 0579 0366 0240 0471	Rectiligne	0060
New World	0241	Rediffusion	0224 0384 0374 0571 00 59
	0239	Redstar	0060
Vicamagic Vikkai	0095 0241 0060 0240 0287 0055	Reflex	0060
Nikko	0058 0360 0239 0032 0059	Revox	0060 0393
	0201	Rex	0229 0386 0434 0270 0186 028
Noblex	0060 0287	RFT	0110 0315 0393 0451 0095 028
Nobliko	0125 0093 0239	Rhapsody	0239
logamatic	0422 0132 0219	Roadstar'	0032 0287 0241 0441 0060
lokia		Robotron	0110
voluu	0382 0496 0374 0362 0231 0397	Roxy Royal Lux	0471 0393 0435
Nordmende	0132 0422 0219 0366 0221 0583	Saba	0110 0422 0186 0132 0539 036
Vovatronic	0218 0060 0358 0060 0128 0397		0384 0521 0219 0221 0358 022 0648 0571
Oceanic	0590 0186 0423 0384 0317 0231	Sagem	0478 0633 0305
	0586	Saisho	0258 0539 0200 0032 0034 005
Odeon	0287	Salora	0240 0186 0287 0234 0377
Okano	0393 0060 0287 0095		0313 0217 0372 0186 0379 038
Omega	0287 0394 0241 0456 0604		0384 0387 0539 0386 0571 036 0539 0125
Onwa Opera	0060	Sambers Sampo	0055
Optimus	0273 0189	Samsung	0060 0579 0610 0032 0240 020
Optonica	0116		0471 0393 0287 0239 0313 005
Orbit	0060	Sandra	0095 0231 0667
Orion	0202 0258 0317 0200 0343 0378		0239 0240
	0202 0258 0317 0200 0343 0378 0034 0060 0032 0344 0387 0234 0125 0466 0579 0287 0435	Sanela Sansui	0261 0060 0394
Orline	0060 0241	Santon	0032
Ormond	0408 0691	Sanyo	
Osaki	0095 0241 0055 0240 0287 0516	Sanyo	0362 0095 0239 0240 0127 006
Osio	0060 0435 0295 0397 0234 0060	Save	0608 0032 0186 0060 0578 0060
Oso	0241	SBR	0060 0579 0035
Osume	0180 0095 0059 0055 0241	Schaub	
Otto Versand	0033 0528 0059 0116 0535 0060	Lorenz Schneider	0372 0571 0629
vordana	0033 0528 0059 0116 0535 0060 0579 0218 0372 0214 0384 0258	Comicido	0060 0579 0035 0080 0326 037 0542 0417 0359 0282 0366 024 0270 0394 0241 0384 0186 069
	0132 0317 0249 0270 0326 0343 0240 0239		0671
Pael	0393 0060 0214 0528 0033 0223	Scott	0201 0202
Palladium		Sears	0194 0201 0202
	0441 0579 0270 0350 0372 0110 0575 0186 0240 0434 0542	SEG	0240 0287 0032 0270 0059 012 0186 0060 0239 0691 0510
Palsonic	0287 0435 0060 0240 0400	SEI	0110 0125 0033 0575 0186 053
Panama	0032 0240 0287 0239 0060 0270		0372 0317 0229 0060
anasonic	0249 0673 0273 0149 0297 0237	Seleco	0229 0386 0282 0186 0434
	0384 0260 0390 0363 0539 0060	Sencora	0032
	0186 0571 0374	Sentra	0058 0241 0032
Panavision Pathe	0060 0434	Serie Dorada	0201
Cinema	0186 0261 0239 0423 0343 0315	Serino	0478 0633
	0372	Sharp	0116 1116 0180 0059 0317 067
Pathe Marconi	0228 0132 0219 0221 0422 0260	Shorai	0076 0117 0216 0317 0202
Pausa	0032	Siam	0060
Perdio	0095 0343 0186 0060	Siarem	0575 0186 0110 0125
Perfekt	0060	Siemens	0214 0223 0218 0350 0351 018
Pershin	0423		0055 0060
Phase	0055	Siera	0060 0579 0035
Philco	0110 0107 0097 0441 0270 0575	Siesta	0393
	0186 0393 0060 0168	Silva	0239 0060
Philharmonic	0240	Silver	0059 0384 0202
Philips	0060 0579 0035 0214 0066 0110	Singer	0110 0125 0270 0423 0458 003
Phoenix	0216 0446 0366 0397 0060 0110 0343 0509 0393 0408	Sinudyne	0060
Phonola	0239 0575 0186 0095 0060 0579 0035 0110 0216 0239	Omadyno	0200 0110 0258 0125 0317 057 0186 0384 0539 0372 0033 022 0060
Pioneer	0189 0060 0446 0451 0393 0366	Skantic	0379
Pionier	0384 0132	Sky	0060
	0393 0509	Sogera	0343
Plantron	0060 0287 0032	Solavox	0055 0384 0095 0186 0571
Playsonic	0240	Sonawa	0241
oppy	0032	Sonitron	0231 0393 0362 0240
Portland	0397	Sonneclair	0060
Powerpoint	0510	Sonoko	0060 0032 0287 0305 0240
Prandoni-		Sonolor	0231 0590 0186 0423 0528 003
Prince	0270 0539 0384 0386	Sontec	0571 0384
Precision	0240		0060 0393 0317
^o rima	0055 0032 0287 0095 0080 0372 0217	Sony	0528 0674 0033 0034 0059 012
Prinz Profex	0032 0186	Sound &	0097
Profitronic Proline	0060 0125 0344 0095 0060 0035 0648 0060 0237 0239 0393 0397 0602	Vision Soundesign	0125 0241 0397 0201 0202
Prosonic	0060 0237 0239 0393 0397 0602	Soundwave	0060 0343 0441 0055
	0394 0691	Ssangyong	0055 0032
rotech	0060 0240 0032 0270 0372 0125	Stag	0055
	0287 0441 0360 0691	Standard	0241 0032 0240 0343 0060 039
Proton	0201 0522 0060	Starlite	032 0575 0186 0060 0287 0305 0241
Provision Pye Pymi	0060 0397 0579 0035 0110	Stenway Stern	0229 0282 0186 0386
Quadra	0032	Strato Sunkai	0060 0287 0032 0317 0378 0344 0478 0241 025
Vision	0423	Sunstar	0060 0510
Quasar	0270 0273		0394 0060 0032 0602
Quelle	0060 0033 0034 0132 0535 0372 0214 0384 0055 0059 0240 0270	Sunwood	0060 0032
	0097 0107 0350 0329 0093 0127	Superla SuperTech	0539 0239 0032 0060 0239 0579 0241

Supra Susumu Sutron Swissline Sydney Symphonic Sytong	0397 0032 0358 0032 0270 0239 0240 0194 0239	Xrypton Yamishi Yokan Yoko Yorx Zanussi	0060 0305 0478 0241 0060 0240 0060 0240 0060 0241 0287 0032 0393 0362 0239 0270 0241 0229 0386 0240
Táctus Tandberg Tandy Tashiko	0295 0390 0434 0132 0360 0219 0384 0241 0095 0240 0270 0116 0059 0066 0240 0193 0055 0239	VCR	0362
Tatung	0382 0186 0095 0539 0240 0295 0060 0034	Adelsound	0027
Teac	0267 0060 0535 0478 0287 0032 0194	Adyson Aiwa	0005
TEC	0060 0535 0478 0287 0032 0194 0435 0372 0201 0240 0032 0270 0494 0358 0360	Akai Akiba	0330 0023 0064 0371 0375 006 0129 0338 0064 0043 0375 026 0095
ech Line	0282 0575	Akura	0095 0064
	0060 0691	Alba	0301 0095 0356 0357 0375 0040
echica	0241	Allorgan	0023 0338 0371
echnema	0343		0263
lechnics ledelex leiron	0273 0240 0032	Allstar Ambassador	0104 0043
eirori eknika eleavia	0202 0132 0219 0422 0228	Amstrad Anitech	0023 0348 0301 0095 0095
elecor elecor elefunken	0060 0186 0241 0240 0282 0417	Ansonic Aristona	0093 0027 0104
eietunken	0132 0521 0494 0422 0097 0107	ASA	0060 0104
	0124 0358 0285 0329 0096 0366	Asuka	0095 0060 0104 0023 0061
elefusion	0219 0060 0509 0648	Audiosonic	0301
	0060	Audioton	0043
elegazi	0060 0186 0282 0241 0287	AWA	0098 0060 0301 0066
elemeister	0343 0060		0129 0301 0127 0130 0064 0023
elesonic	0060	Baird	
elestar	0060	Bang &	
eletech	0032 0270 0360 0060 0691	Olufsen	0036 0522
eleton	0240 0298 0229 0186 0372 0282	Basic Line	0301 0043 0095
elevideon	0059 0343 0575 0186 0239	Bestar Black	0301 0043
eleviso	0423	Panther	0301
emco	0317	Blaupunkt	0249 0104 0177 0250 0185 002
empest	0032 0060	Blue Sky	0218 0026 0057
ensai	0127 0241 0060 0240 0317 0343		0060 0371 0095 0375
enson	0032 0060 0127 0241 0060 0240 0317 0343 0032 0128 0397 0394 0400 0270 0343 0032	Bondstec Bosch	0043 0095 0177
evion	0542 0060 0671 0691	Brandt	0064 0229 0343 0344 0516
exet		Brinkmann	0371
homson	0240 0397 0032 0422 0132 0494 0358 0219 0221 0228 0260 0366 0060 0583 0648	Bush	0095 0301 0338 0356 0357 037 0316 0023 0371
horn	0216 0096 0213 0261 0215 0097 0107 0522 0060 0127 0358 0535 0382 0295 0397 0058	Carena Carrefour	0104 0068
MK	0201	Casio Cathay	0023 0301
okai	0095 0060 0471 0360 0186 0240	Catron	0043
	0397 0032	CGE	0064 0023
okyo	0239 0058 0471	Cimline	0095
omashi	0305 0241	Clatronic	0043 0095
oshiba	0305 0241 0058 0531 0266 0059 0093 0125 0240	Combitech Condor	0375 0043 0301
owada oyoda	0372 0125 0240 0032	Condor Crown Daewoo	0301 0095 0043 0301 0043 0068 0375
rákton	0287	Dansai	0095 0301
rans		Daytron	0301
Continens	0240 0060	de Graaf	0065 0189 0104 0127 0071 006
ransonic	0060 0478 0610 0535	Decca	0023 0064 0104 0031 0090 037
ranstec	0239	Deitron	0301
rident		Denko	0095
ristar riumph	0339 0240 0241 0216 0200 0539 0369 0579 0060 0266 0060 0080 0229 0343 0326 0397 0441 0509 0393 0282	Diamant Dual	0060 0064 0104 0301 0023
lher	0060 0080 0229 0343 0326 0397	Dumont	0023 0104 0127
	0441 0509 0393 0282	Elbe	0301 0061
Jltra	0215	Elcatech	0095
Jltravox		Elin	0263
Jnic Line	0110 0125 0397 0270 0239 0575 0186 0060 0060 0496	Elsay Elta	0095 0095 0301
Inited	0060	Emerson	0095 0068
Iniversum	0369 0128 0218 0496 0384 0270	ESC	0301 0263 0043
	0515 0503 0393 0223 0441 0034	Etzuko	0095
	0535 0317 0059 0180 0055 0093	Europhon	0043
	0575 0186 0287 0127 0060 0434	Fenner	0043
	0313 0097 0329 0350 0351 0033	Ferguson	0130 0064 0343 0344 0516 002
	0528 0372 0240 0132 0360 0200 0654 0691	Fidelity	0301 0023 0095 0348 0263
Inivox	0360 0110 0060 0186 0261	Finlandia	0127 0104 0065 0189 0023 007
'estel	0060 0575 0186 0240	Finlux	0023 0104 0127 0065
exa lictor	0032 0060	Firstline	0095 0371 0066 0060 0068 006 0316 0301
ideologique	0239 0241 0240	Fisher	0070 0127 0069 0061 0043
ideoSystem	0060	Frontech	0043
ideotechnic	0239 0343 0240 0397	Fujitsu	0023
	0379 0186	Funai	0023
idikron	0125	Galaxi	0023
idtech	0059 0201	GBC	0043
iper	0360 0239	GEC	0104 0104 0043
/isiola /ision	0060 0343 0455	General General Technic	0371
/isorex /istar	0229 0384	Genexxa	0127 0095
/ortec	0060	Goldhand	0060 0023
/oxson	0110 0060 0386 0441	GoldStar	0023 0095 0263 0301 00 85 006
Valtham	0240 0379 0441 0408 0060	Goodmans	0043 0366 0104 0371 0316
Vatson	0060 0343 0186 0241 0602 0542		0031
Vatt Radio	0060 0343 0186 0241 0602 0542	Gradiente	0031
	0417 0032 0691	Graetz	0064 0127 0263
	0125 0372 0575 0186 0239	Granada	0127 0069 0071 0104 0029 026
Vega Vegavox	0059 0110 0060 0032	Granada	0060 0249 0065 0023
Veltblick	0060 0343	Grandin	0095 0060 0043 0023 0301
Vharfedale	0060 0542	Grundig	0030 0218 0104 0370 0249 002
Vhite Westing- house	0343 0239 0060 0360	Hanimex	0029 0343 0371 0375
Vinco	0435	Hanseatic	0060 0301 0104 0043

Micormay 0371 TEC 0043 0301 0095 Migros 0023 Minerva 0218 Minerva 0218 Minerva 0218 Minerva 0218 Minerva 0218 Missibishi 0064 0343 0344 0407 0516 05 0517 Teleavia 0064 0343 0344 0407 0516 05 0517 0518			
Hilland			
Helisch	HCM Hinari		Salora 0069 0066 0129 0127 Samsung 0263 0455
Hishachi		0301	Samurai 0043
Hornyshore 0104 1010 0375 5 5 5 5 5 5 5 5 5		0065 0189 0064 0023 0263 0104	Sanwa 0027
Hypsion Q056 Q091 Q375 minespen Q052 Q053 Q253 Q2	Hornyphone	0027 0127 0104	Sanyo 0127 0069 0070 0071 0090 Saville 0375 0301 0263
Imperial	Hypson	0095 0301 0375	SBR 0104
Infinite Histority	Imperial	0023 0263	Schaub
Interbuy 0060 0095 1014 0127 1014 0127 1014 0127 1014 0127 1014 0127 1014 0127 1014 0127 1014 0127 1014 0127 1028 1014 0127 1028 1014 0127 1028	Ingersoll Inno Hit	0027 0263 0043 0263 0301 0095	Lorenz 0064 0127 0023 0129 0338 Schneider 0095 0023 0060 0104 0301 0263
Internal Gard Gar	Interbuy	0060 0095	Seaway 0301
International miterwision (301) (101) 0060 (307) (102) 0060 (307) (307) (307) (307) (308) (308) (307) (307) (308) (308) (308) (309) (307) (308)			Sei-Sinudyne 0027 0104
Time	International Intervision	0301	Seleco 0064 0031 0407 0043 0060 Semiyox 0068
ITT Nobia	Irradio	0095 0060 0104	Sentra 0095 0043 0316
Salsul	ITT Nokia	0071	Sharp 0071 0085 0060
Salsul	JVC	0301 0060 0043 0064 0090 0031 0229 0230 0407	Shintom 0095 0127 Shiyaki 0060
Kenwood 0129 0338 0371 0095 0080 Krimari 0070 0071 0070 0071 Krimari 0070 0071 0070 Krimari 0070 0071 0070 Lefete 0070 0071 0071 0070 Lefete 0070 0071 0071 0071 0071 0071 0071 007	Kaisui	0095	Shorai 0027
Kimari 0076 0375 0371 0600 Silva Silva 0060 0375 0371 0600 Silva Silva 0060 0375 0371 0600 Silva Silva 0075 0076 0375 0371 0600 0375 0371 0600 0375 0371 0600 0375 0371 0600 0375 0371 0600 0375 0371 0600 0371 0371 0600 0371 0371 0600 0371 0371 0600 0371 0371 0600 0371 0371 0600 0371 0371 0371 0371 0371 0371 0371 03	Kendo	0129 0338 0371 0095 0060	0026
Rneissel 0376 0371 0060 0371 0060 0371 0060 0371 0060 0371 0060 0371 0060 0371 0060 0371 0060 0371 0060 0371 0060 0371 0060 0371 0060 0371 0060 0371 0070 0071 0070 0071 0070 0071 0070 071 0070 071 071		0064 0061 0070	Siera 0104 Silva 0060
Kuba (2049) Kyoto (2048) Kyoto (2049) Kyoto (2049) Kyoto (2048) Kyoto (2049) Kyoto	Kneissel	0375 0371 0060	Silver 0301
Kyoto	Kuba	0070	Solavox 0043
Léyco 0986	Kuwa Kvoto		Sonitron 0070 Sonneclair 0095
Lifetec 0371 10029 0060 0027 1185 0185 10060 0057 0055 0129 1055 10060 0057 0055 0129 1055 10070 0071	Lèyco		Sonoko 0301
Logik	Lifetec	0371	Sontec 0060
Logik Lumatron Lumatron Clog	Loewe	0104 0029 0060 0027 1185 0185 0477	Sony 0056 0057 0055 0129 1055 Soundwave 0060
Luxor 0129 0069 0066 0095 0085 0127		0027 0263 0095 0129	Ssangyong 0095
Magnavx Manesth 095 0068 0104 0071 0070 0071 0070 0071 0071 0071		0129 0069 0066 0095 0085 0127	Starlite 0060 0127
Mariesth 0095 0088 0104 0029 0085 0026 Mark 0301 0043 0043 0043 0043 0046 0071 0070 071 0060 0263 0375 0023 Sunwood 0095 Mediator 0027 0371 0060 0263 0375 0023 Sunwood 0095 Mediator 0023 0060 0061 0070 070 070 070 070 070 070 070 070 0	Magnayox	0070 0071 0104	
Mark	Manesth	0095 0068 0104	Sunstar 0023
Matsui		0301 0043	Sunwood 0095
Medich		0027 0371 0060 0263 0375 0023	Supra 0060 0263
Memphis U95	Medion	0371 0375	Taisho 0027
Memphis U95	Memorex	0127 0023 0069 0060 0071 0070	Tashiko 0023 0071 0263 0104 0060
Micromay	Memphis Matz	0095	Tatung 0023 0064 0104 0071 0066 0371
Migros / 0023		0249 0250 0482 0029 0026	Teac 0064 0023 0301 0060 0104 0330
Missibishi di O066 0090 0098 0104 Miltitech 0023 005 0043 0127	Migros	0023	TechniSat 0371
Multhech 0023 0095 0043 0127		0218	Teleavia 0064 Telefunken 0064 0343 0344 0407 0516 0517
NAĎ 0 127 National O249 0185 NEC 0064 0029 0104 Nesco 0085 0023 0375 Nikitai 0043 025 030 Nordmende 0084 0027 027 028 0104 Nordmende 0084 0029 01192 0104 0117 Nordmende 0084 0029 023 0376 Nordmende 0085 0023 0376 Nordmende 0085 0023 0377 Nordmende 0084 0047 0243 0344 0230 0517 Coeanic 0023 0071 0129 0104 0127 0064 Nordmende 0084 0047 0243 0344 0230 0517 Nordmende 0085 0040 023 0071 0129 0104 0127 0064 Nordmende 0084 0047 028 0104 Nordmende 0084 0047 0086 0116 Nordmende 0085 0051 0095 0301 Nordmende 0085 0080 0085 0301 Nordmende 00	Multitech	0023 0095 0043 0127	0553 0301
NEC Neckermann (064 0029 0104 0065 0090 0127 0060 0164 0029 0104 0060 0095 0027 0060 0095 0023 0375 0104 0061 0095 023 0375 0104 01061 010	NAD	0127	Tempest 0043
Neckermann Neckermann Neckermann Neckermann Nesson O054 0029 0014 0055 0023 0071 0019 0023 0019 0019 0023 0019 0019 0023 0019 0019 0023 0019 0019 0023 0019 0023 0019 0023 0019 0023 0019 0023 0019 0023 0019 0023 0019 0023 0019 0023 0019 0023 00	National NFC		Tenosal 0095 Tensai 0023 0060 0095 0027
Nikkai 0043 0095 0010 0050 0010 0069 0127 0129 0338 0064 0301 0069 0127 0129 0338 0064 0301 0069 0164 0127 0060 0164 0127 0164 0164 0164 0164 0164 0164 0164 0164		0064 0029 0104	Tevion 0371
Nordmende	Nikkai	0043 0095 0301	0517 0551
Nordmende	Nokia	0263 0071 0065 0104	Tokai 0095 0060 0064 0127
Oceanic 0023 0071 0129 0104 0127 0064 Toshiba 0068 0064 0407 0066 0104 Okano 0338 0371 0935 0301 0336 0377 0356 0357 0360 0367 0366 0371 0356 0357 Orson 0027 0375 0366 0371 0356 0357 0360 0364 0367 0366 0371 0366 0367 0360 0363 0360 0363 Clake 0356 0357 0380 0380 0060 0064 0029 0027 0263 038 0060 0064 0029 0027 0338 0060 0064 0029 0027 0371 0283 038 0060 0064 0029 0027 0371 0283	Nordmende	0064 0407 0343 0344 0230 0517	Tokiwa 0095
Okano 0338 8371 0095 0301 Orion 0070 377 0366 0371 0356 0357 Orion 0027 0375 0366 0371 0356 0357 Orion 0023 0060 0095 0356 0371 0356 0357 Orion 0360 0350 0357 Orion 0360 0360 0360 0360 0360 0360 0360 036	Oceanic	0023 0071 0129 0104 0127 0064	Toshiba 0068 0064 0407 0066 0104
Orson 0023 Osaria 0023 0030 000 0095 0030 Uhrer 036 0301 Unitech 0026 Unitech 0026 Unitech 0026 Unitech 0027 0085 0085 0080 0080 0085 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 0080 008	Okano	0338 0371 0095 0301	Trakton 0043
Osaki 023 0060 0095			
Otake Ditake 0356 0357 0104 Versand 095 0338 0060 0064 0029 0027 Palsonic United Quick 095 0338 0060 0064 0029 0027 Victor United Quick 031 0348 0104 0263 0060 011 Victor Palsonic Palsonic 0985 0238 0477 0249 0250 0482 095 0060 011 Victor Victor 031 0318 0300 Victor 031 0230 0348 0104 0263 0060 011 Victor 0031 0300 031 0230 0300 031 0230 031 0230 031 0310 0350 0301 Vokan Particolor Perdio 0024 0029 0104 0029 0104 0050 0095 0010 009	Osaki	0023 0060 0095	Ultravox 0301
Palladium 0095 0338 0060 0064 0029 0027 Palsonic 0095 0238 0060 0064 0029 0027 Palsonic 0096 0283 0280 0080 011 Palsonic 0096 0283 0280 0180 0190 0080 011 Palsonic 0096 0283 0280 0180 0190 0080 011 Palsonic 0096 0085 0477 0249 0250 0482 Palsonic 0185 0477 0249 0250 0482 Palsonic 0185 0477 0249 0250 0482 Palsonic 0185 0477 0249 0250 0482 Palsonic 0186 0085 0095 Palsonic 0084 Particle 0084 0084 0085 Palsonic 0184 0089 Palsonic 0184 0085 Palsonic 0184 0085 Palsonic 0184 0085 Palsonic 0184 0885 Palsonic 01	Otake	0356 0357	United Quick
Panasonic Panasonic Pather Cinema 2027 0066 Pather Cinema 2028 Philips 2023 Philips 20104 0029 Philips 2023 P		0104 0095 0338 0060 0064 0029 0027	Star 0301 Universum 0023 0348 0104 0263 0060 0129
Panasonic Panasonic Pather Cinema 2027 0066 Pather Cinema 2028 Philips 2023 Philips 20104 0029 Philips 2023 P		0263	0371 0218 0029 0026
Vamishi	Panasonic	1185 0185 0477 0249 0250 0482	Watson 0104 0375
Pathe Marconi 0064 Voko 0065 Voko 0060 0095 0043 0263 Voko 0060 0095 0044 0065 Voko 0060 0095 0044 0065 Voko 0060 0095 0044 0065 Voko 0060 0095 0044 0060	Pathe Cinema	0027 0066	Weltblick 0060 Yamishi 0095 0301
Perdio 0023 Philips 0104 0029 Philips 0104 0029 Philips 0104 0029 Phonola 0104 Poneer 0080 0104 0065 Portland 023 0301 Prinz 0223 Portland 023 0301 Prinz 023 0363 Posco 0301 Po	Pathe		Yokan 0095
Philips	Perdio	0023	1000 0000 0095 0043 0263
Proficial 10 10 10 10 10 10 10 1			CAT
Portland 0043 0301 ABsat Print 0855 Piniz 0023 0261 0243 0855 Profifronic 0104 2263 AGS 0691 Prosinc 0303 0316 0343 0343 Prosco 0301 0023 0316 0313 023 0314 033 0242 053 075 075 075 0757	Phonola	0104	3/1
Publiforoic 0104 (2628) AC\$ 0691 Publiforoic 0104 (2628) Publiforoic 0104 (2628) Publiforoic 0103 (2618 (2	Portland	0043 0301	
Prosco 0301 0023 Akena 0981 0029 Proscoric 0301 0023 Alba 0444 0538 0478 0542 0636 07: Protech 0104 0757 0757 0757 0757 0757 0757 0757 07	Prinz Profitronic	0023	
Prosonic 0301 0023 Alba 0444 0538 0478 0542 0686 077 Protech 0104 0757 74 0575 775 74 0542 0543 0757 78 0757 78 0757 78 0757 78 0757 78 0757 0757 78 0757 0857 0757	Proline	0023 0316 0343 0344	Akai 0538 0223
Protech 0104 0757 7757 7757 104 0757 7757 1050 1050 1050 1050 1050 1050	Prosonic	0301 0023	Alba 0444 0538 0478 0542 0636 0736
Óielle 0.029 0.104 Allsonic 0.311 0.392 Badialay 0.060 0.095 0.04 0.071 Alltech 0.736 Badiala 0.104 0.084 Alai 0.081 0.223 Bank 0.064 0.084 Alai 0.094 0.095 Bex 0.064 0.047 Amitronica 0.736 0.736 FF 0.043 0.095 0.095 Ampere 0.419 0.852 0.155 0.761 0.786 0.781 0.786 0.781 0.786 0.781 0.786 0.781 0.786 0.781 0.786 0.781 0.786 0.781 0.786 0.781 0.786 0.781 0.786 0.781 0.786 0.881 0.786 0.881 0.786 0.881 0.786 0.881 0.786 0.881 0.786 0.881 0.786 0.881 0.786 0.881 0.786 0.881 0.786 0.881 0.786 0.881 0.881 0.786	Provision	0104 0301	0757 Aldes 0311 0542 0543 0757
Radialva 0560 0095 0104 0071 Alltech 0736 Radiola 0104 Alpha 691 0223 Rank 0064 0407 Alltai 0419 Rex 0064 0407 Amitronica 0780 0852 0155 RFT 0043 0095 Ampere 0440 085 0715 076 Roadstar 0260 0090 0000 Amstrad 0480 8870 0275 0266 0712 08 Roadstar 0260 0090 0000 Amstrad 0480 8870 0275 0266 0712 08	Pye	0104	Allsat 0223 0387 0206 0757
Radiola 0104 Alpha 0691 0223 Rank 0064 Altai 0419 Rex 0064 0407 Amitronica 0736 RFT 043 0095 049 0852 0155 Roadstar 0263 0095 0060 0301 Amstrad 0368 0870 0275 0266 0712 06 Powed 0765 0765 0419 0155 0905 09 0786 0785 0419 0155 0905 09	Radialva	0060 0095 0104 0071	Alltech 0736
Bex 0064 0407 Amitronica 0736 BFT 0043 0095 Ampere 419 0852 0155 Boadstar 0263 0095 0060 0301 Amstrad 0388 0870 0275 0266 0712 08 Powel 0095 096 097 <		0104 0064	Δltai 0.410
Amplere	Rex	0064 0407	Amitronica 0736
Royal 0095 Saba 0064 0229 0230 0343 0344 0407 0886 0517 0085 0301 Anglo 0736	Roadstar	0263 0095 0060 0301	Amstrad 0368 0870 0275 0266 0712 0698
0517 0085 0301 Anglo 0736	Royal	0095	0736 0765 0419 0155 0905 0908 0886
		0517 0085 0301	

nkaro nttron	0311 0392 0243 0542 0736 0444 0206 0636	0902 0908 Hanseatic 0628	
pollo rcon	0444 0715	Hantor 0444 Hanuri 0543	
rmstrong	0266 0223	Hase & Igel 0715	
SA sat	0420 0223	Heliocom 0630 Hinari 0206 0444	
SLF	0736	Hirschmann 0420 0421 01	96 0596 0518 04
ST	0374 0344	0821 0524 01	48 0419 0733 10
stacom stra	0691 0733 0131 0553 0266 0630 0369	Hitachi 0478 HNF 0765	
stro	0196 0381 0543 0636 0392 0524	Houston 0615 0243 06	91
	0681	Humay 0886 0306	
thena udioton	0691	Huth 0369 0630 03 0612 0266 08	87 0311 0540 02 17 0155 1040
ustar	0387 0636 0886 0665 0306 0520 0902	Hypson 0440 0159	17 0155 1040
valon	0419	Imex 0107 0159	
kiel kis	0691 0553 0392 0857	International 0155 Intertronic 0654 0266	
arcom	0131	Intervision 0615 0651 06	30 0654 0387
eko	0478	Invideo 0894	
est laupunkt	0392 0196	IRTE 0632 0839 Italtel 0894	
ue Sky	0736 0908	ITT Nokia 0131 0596 04	78 0420 0896 0
	0266 0612 0706 0817 0852 0155 0715	Johansson 0387 JOK 0713 0733 JVC 0538 0594	
ain Wave oadcast	0715	JOK 0713 0733 JVC 0538 0594	
000	0553 0736	K-SAT 0736	
skyB	0870	Kamm 0903 0736	
Ibu Sat	0538 0691 0733 0736	Kathrein 0354 0381 01	96 0417 0465 0
ubu Sat ush	0736 0206	0691 0841 09	15 0681 07 36 0 6 121
N	0715	Kennex 0148	
ambridge anal	0538 0706 0524	Key West 0817 Kiton 0137	
Satellite	0876 0315	Kolon 0444	
ness	0876 0315 0180 0628 0417 0821 0841 0138 0630	Konig 0630	
tyCom ark	0417 0821 0841 0138 0630 0636	Koscom 0857 Kosmos 0354 0465	
emens		KR 0636 0821 06	15
Kamphus	0857	Kreiselmeyer 0196	
NT olombia	0543	Kyostar 0444 0636 L&S	
ommander	0691 0243	Electronic 0392	
ommlink	0311	Lasat 0543 0392 06	30 0266 07 06 0 °
omtec ondor	0311 0392 0630	0155 0180 Lemon 0715 0143	
onnexions	0419 0392 0630 0612 0596 0138 0392 0524	Lenco 0243 0444 07	36 0715 0553 0 °
onrad	0630 0612 0596 0138 0392 0524	0392 0630	
ontec osat	0417 0612 0615 0387	Lennox 0615 Lenson 0524	
own	0266	Lexus 0223	
ryptovision -box	0478	Levco 0538	
-box aewoo	0746 0896 0736 0444	Lifésat 0628 0392 Loewe 0266	
ansat	0206	Lorenzen 0243 0715 08	17 0630 0765 0°
aumling	0817	Lupus 0392	
elfa	0886 0628	Luxor 0131 0368 05 M&B1 0628	96 0896 0524
scoverer scovery	0691		59 0440 0736
iseqc '	0733	Manhattan 0478 0615 05	43 0387 0733 0
istratel istrisat	0107 0908 0223 0615	0857 1040 Marann 0728	
NR	0715	Marantz 0223	
NT	0223 0419	Marave 0440	
ST une	0444 0392	Mascom 0465 Maspro 0115 0518 07	73 0736 0196 0
chostar	0419 0477 0691 0736 0894 0876	0715	75 0750 0150 0
F	0697 0440	Master's 0417	
nhell	0540 0266 0444 0311 0275 0736 0524 0817 0155	Matsui 0594 0733 01 Max 0630	90
ekta	0524 0817 0155 0543	MB 0628	
sat	0712	Mediabox 0315 0876	
ta manon	0387 0444 0223 0392	Mediamarkt 0266	15 0976
nanon nme Esse	0444 0392 0894	Medion 0736 0392	115 0876
ngel	0736	Medison 0736	
Sat rieult	0478	Mega 0223 Melectronic 0841	
ırocrypt	0440 0159 0107 0908 0478 0131	Metronic 0542 0444 04	40 0266 0636 0
ıropa	0243 0612 0524 0223 0886 0630	0543 0107 01	59 0841 0908
ıropean ırosat	0817 0266	Metz 0196 Micro 0630 0636	
ırosky	0266 0392 0630 0155 0138	Micro	
ırostár	0630 0903	electronic 0736	
ıtra rator	0821 0444 0538 0636	Micro Technology 0736 0553	
ator dra Sat	0542	Micronik 1026	
agor	0615 0387	Microtec 0736	
enner	0691	Minerva 0594 Mitsubishi 0478	
erguson delity	0206 0478 0734 0275 0698 0524	Mitsubishi 0478 Morgan's 0266 0223 07	06 0817 0736 0
nlandia	0478 0131	0612 0852 06	706 0817 07 36 0 3 54 0155
nlux air Mate	0478 0131 0596 0736	Multichoice 0665 0902	
air Mate oxtel	0902 0743 0520	Multistar 0354 Multitec 0180	
acarro		Muratto 0344	
eecom	0444 0557 0894 0148 0757 0354 0706 0612 0392 0736 0392 0419 0444 0440 0196 0596 0417 0131 0206	Mysat 0736	
ΓΕ iba	0392 0419 0444 0440 0196 0596	Network 0206	
	0417 0131	Neuhaus 0553 0524 02	43 0612 0715 06 30
-Sat	0206	0736 0857 06	30
alaxis	0311 0387 0553 0615 0392 0836 0715 0857 0856 0886 0306 0876	Neusat 0715 0736 08 NextWave 0755	5/
alaxisat	0344	Nikko 0266 0736 07	46 0757
ardiner	0841	Nokia 0131 0746 05	746 0757 196 0896 0478 04 176
MI oldbox	0266 0315 0876	0774 1046 08 Nordmende 0478 0543 04	/6
oldbox oodmans	0315 0876 0478	NTC 0821	***
ranada	0131	Octagon 0444 0243 06	36
randin	0440 0107 0159 0196 0870 0594 0773 0828 0368	Okano 0266 0354 OnDigital 0156 0264 07	74 0160
rundig	U 180 UO/U US84 U//S UO/O US68	OnDigital 0156 0264 07	74 UIDU

Optex Optus Orbit	0417 0615 0387 0440 0854 0902	Telemaster	0715 0524 0630 0857 0543	
Orbitech Origo	0374 0524 0612 0444 0571 0180 0520	Telesat Telestar Teletech	0628 0630 0524 0903 0137	
OSĂT Oxford Pace	0368 0538 0691	Televes Telewire Thomson	0478 0524 0615 0387 0478 0736 0315 0876 0138	063
Packsat Palladium	0743 0570 0206 0614 0616 0264 0743 0520 0910 0733 0266 0594 0444 0524	Thorn Tioko	0843 0691 0733 0478 0417 0266	
Palsat Panasat	0524	Tokai Tonna	0223 0369 0478 0615 0691 0387	052
Panasonic Panda Paristad	0902 0638 0478 0870 0478 0131 0630 0196 0857 0440	Toshiba TPS	0736 0857 0478 0160 0843	
Patriot Philips	0538 0691 0223 0315 0243 0206 0478 0773 0733 0636 0828 0612 0691 0876	Triad Triasat Triax	0374 0344 0395 0524 0524 0138 0223 0419 0736	007
Phoenix	0594 0196 0156 0841 0921 0206	Twinner UEC	0440 0902	007
Phonotrend Pioneer Planet	0311 0615 0387 0886 0876 0315 0894	Üniden Unisat Universum	0854 0698 0266 0223 0196 0594 0420 0630 0698	013
Polytron Predki	0417 0419 0444	Variosat	0765 0196	
Preisner Premier Premiere	0266 0612 0155 0419 0706 0817 0615 0315 0876 0896	Ventana Vestel	0223 0765	
Pro Visat Profile	0757 0691	Videocrypt Visionic Visiosat	0734 0148 0728 0374 0713 0864 0736	
Prosat Prosonic Provision	0311 0651 0765 0543	Viva Vortec VTech	0243 0444 0654 0374 0344 0713 0841	
Pye Pyxis Quadral	0594 0854 0857 0542 0311 0392 0612 0651 0691	Wela Wetekom Wewa	0612 0736 0817 0155 0852 0180 0628 0524 0478	
Quelle	0733 0275 0630 0765 0138 0223	Wibo Wintergarten	0266 0311	
Radiola Radix Rainbow	0223 0419 0905 0636	Wisi	0661 0196 0344 0395 0713 0612 0429 0478 0374 0524 0630	041! 085
Red Star Redpoint RFT	0392 0553 0311 0243 0223	Woorisat Worldsat XCOM	0543 0691 0733 1035 0855 0146	
Roadstar Rover	0736	Xrypton XSat	0392 0855 0691 0736	
Saba Sabre	0206 0543 0713 0757 0733 0715 0908 0138 0630 1035 0478	Zaunkonig Zehnder	0715 0344 0354 0543 0392 0841 0417 0137 0138	076
Sagem Salora	0843 0131	Zenith Zeta	0879	
Samsung SAT Sat Partner Sat Plus	0444 0876 0374 0344 0524 0698 0444 0543 0636 0757 0180	Technology Zodiac Zwergnase	0223 0636 0817 0266	
Sat Team Satcom Satec	0736 0369 0628 0630 0206 0736	CBL		
Satelco Satford Satline	0392 0369 0651	Alcatel Austar	0919 0920 0035 0299	
Satmaster Schäcke Schneider	0369 0636 0828 0921 0733	BT Cabletime Comcrypt	0128 0294 0400 0471 0688 0466	
Schwaiger SCS	0417 0206 0628 0612 0755 0180 0630 0908 0715 0138	Decsat Filmnet France	0446 0466	
Sedea Electronique	0444 0148 0419 0266 0553 0538	Telecom General	0474 0840	
Seemann SEG Seleco	0419 0266 0553 0538 0444 0392 0628 0542 0765 0137 0615 0387 0894	Instruments Jerrold Kabelvision	0299 0026 0299 0026	
Servi Sat Siemens	0159 0440 0615 0196 0706	Macab MNet	0840 0466 0042 0840	
Skantin Skardin Skinsat	0736 0553 0524	Mr Zapp NTL Cabletell Oak	0299 0042	
SKR Sky Skymaster	0736 0879 0910 0870	Optus Philips PVP Stereo	0299 0642 0474 0840	
Skymax	0311 0542 0628 0651 0736 0903 0180 0263 0223	Visual Sagem	0026 0840	
SkySat Skytwin Skyvision	0180 0628 0542 0387	Scientific Atlanta Tele+1	0031 0300 0466	
SL Smart	0715 0155 0765 0266 0155	Teledanmark Telepiu Tudi	0642 0466 0309 0642	
Sony Starland Strong	0870 0478 0876 0736 0864 0444 0636 0392 0543 0902 0148	United Cable Videoway	0309 0642 0026 0273 0474 0840	
STVI Sumida Sunny	0876 0440 0159 0266	Visiopass Westminster	0474 0840 0128 0739	
Sound Sunsat	0392 0736 0553			
Sunstar Tagra Tantec	0266 0392 0817 0155 0387 0478			
Tatung Techniland TechniSat	0478 0369 0615 0387 0524 0571 0223			
Technowelt Teco Telasat	0630 0266 0628 0138 0630			
Teleciel Telecom Teledirekt	0636 0757 0736 0206			
Telefunken Teleka	0444 0733 1035 0266 0465 0636 0419 0821 0773			

Guarantee

UNIVERSAL ELECTRONICS INC. warrants to the original purchaser that this product will be free from defects in materials and workmanship under normal use for a period of one (1) year from the date of the original purchase. Product will be replaced free of charge if it has been proven to be defective within the one (1) year period when said product is returned at customer expense within the warranty period. THIS WARRANTY DOES NOT COVER ANY EXPENSES INCURRED IN THE REMOVAL AND REINSTALLATION OF THIS PRODUCT.

This warranty does not cover damage or failures caused by products or services not supplied by TOTAL CONTROL, or which result from accident, misuse, abuse, neglect, mishandling, misapplication, faulty installation, setup adjustment, improper maintenance, alteration, maladjustment of consumer controls, modifications, commercial use, fire, water, lightning or other acts of God. This warranty does not cover cartons, carrying cases, batteries, broken or marred cabinets, or any other items used in connection with the product.

There are no express warranties except as listed above. TOTAL CONTROL SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF WARRANTY. ALL EXPRESS AND IMPLIED WAR-RANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE WARRAN-TY PERIOD SET FORTH ABOVE. Some countries do not allow the exclusion or limitation of incidental or consequential damages, or limitation on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from country to country.

To obtain warranty service during the warranty period, please carefully pack the product and send it prepaid and adequately insured to the address below, together with your purchase receipt or other proof of the date of original purchase.

In Australia:

Crest Electronics Importers & National Distributors 7 Prosperity Place P.O. Box 184 Geebung - Brisbane 4034 Queensland

In New Zealand

Direct Imports (NZ) Ltd P.O. Box 72 Hastings

IMPORTANT:

IF THE UNIT IS RETURNED WITHIN THE WARRANTY PERIOD, YOU MUST INCLUDE YOUR PURCHASE RECEIPT so that we may establish your eligibility for service and can replace your unit without cost. It would be helpful if you included a note detailing the problem. IF THE UNIT IS RETUR-NED FOR SERVICE OUTSIDE THE WARRANTY PERIOD, please include a cheque to cover the cost of replacement, handling and return postage. (Prices may differ per model.)

NOTHING IN THIS GUARANTEE AFFECTS YOUR STATUTORY RIGHTS.

TOTAL CONTROL is a trademark of Universal Electronics Inc.

Copyright 2000 by Universal Electronics Inc. All rights are reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in any retrieval system, or translated to any language or computer language, in any form or by any means, electronic, mechanical, or otherwise, without the prior written permission of Universal Electronics Inc.

701125



